

Abstract

A display device displays images with reduced glare from external incident light. The device includes a back light located on a bottom surface of the display device to provide internal light. Moreover, the device includes an internal circular X-polarizer located external to the back light to circularly polarize internal light. In addition, the device includes a mirror to reflect external incident light. Furthermore, the device includes a liquid crystal display located external to the mirror and the internal circular X-polarizer to display images. The device also includes an external circular X-polarizer located external to the liquid crystal display to circularly polarize external incident light, and absorb reflected external incident light and polarized internal light.